

# Panasonic

Supporting SXGA

## Type-1/4 1.33M-Pixel CCD Image Sensor (MN39192FH)

### ■ Overview

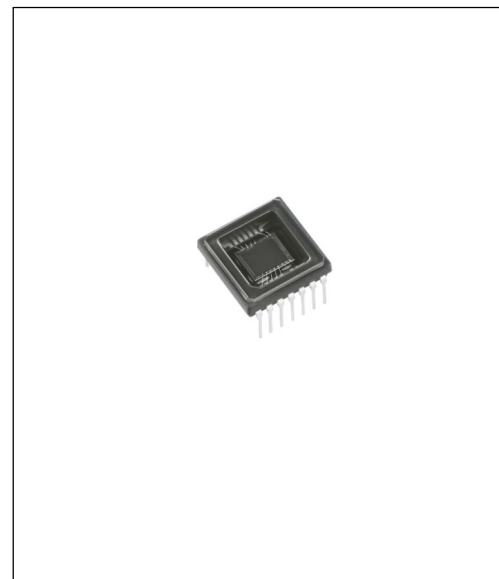
The MN39192FH is a type-1/4 1.33M-pixel SXGA-compliant square-pixel CCD image sensor.

This CCD has achieved high speed (the speed of horizontal CCD is 36 MHz) and this CCD has achieved high sensitivity by the complementary on-chip color-filter and new type on-chip lens.

Using this CCD enables compact, high-image quality digital video cameras.

### ■ Feature

- Supporting SXGA
- High-Speed moving picture and still image
- High-Sensitivity
- High S/N ratio and wide dynamic range
- Low voltage horizontal CCD operation at 3.3 V, resulting in low power consumption of a system
- High-reliability 14-pin ceramic package



### ■ Applications

- Digital still cameras
- FA·OA cameras

### ■ Specifications and Characteristics

Optical format size	Type-1/4 (4.48 mm diagonal)
Total pixel count	1,363(H) × 976(V) = 1,330,288
Valid pixel count	1,290(H) × 966(V) = 1,246,140
Aspect ratio	4:3
Pixel size	2.8 μm(H) × 2.8 μm(V)
Sensitivity	G: 100 mV (typ.)
Saturation output signal	550 mV (typ.)
Smear	-85 dB (typ.)
Package type	14-pin plastic package

† The products and specification are subject to change without any notice. Please ask for the latest Product Standards to guarantee the satisfaction of your product requirements.

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